Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/28/2019 10:37 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123550	-2	2.62	123620	2.67
Blue	F	SSC	125000	122876	-2	1.63	123674	1.64
Blue	E	FITC	16122	15411	-5	3.11	334	20.22
Blue	D	PE	29316	28577	-3	2.38	623	14.83
Blue	B	PerCP-Cy5-5	42590	41293	-4	3.76	1112	20.05
Blue	A	PE-Cy7	33146	32141	-4	6.39	609	40.30
Red	C	APC	45473	44265	-3	2.63	1567	12.09
Red	A	APC-Cy7	31961	30475	-5	2.69	803	11.80
Violet	B	V450	7914	7506	-6	3.86	433	12.95
Violet	A	V500	29769	28793	-4	3.54	672	10.10

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21226	3.67	608	8	N/A	N/A	Pass
Blue	F	SSC	55631	1.39	546	8	N/A	N/A	Pass
Blue	E	FITC	60	63.01	538	1	0.0194	87	Pass
Blue	D	PE	130	49.99	541	4	0.1641	281	Pass
Blue	B	PerCP-Cy5-5	203	49.79	640	2	0.0094	73	Pass
Blue	A	PE-Cy7	113	100.82	694	3	0.0114	20	Pass
Red	C	APC	372	24.95	582	3	0.0245	126	Pass
Red	A	APC-Cy7	177	29.25	558	2	0.0060	1483	Pass
Violet	B	V450	76	50.06	461	1	0.0457	1693	Pass
Violet	A	V500	103	31.36	474	2	0.0236	633	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.96	-31.68	1.00
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.52
Red	16.42	13.60 - 20.40	N/A	N/A	29.32	29.69	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10467

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments